KECHKER, V.I., kand.med.nauk; POTEKAYEV, N.S., kand.med.nauk; NAUMUSHKINA, R.Z.

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1. Iz Ryazanskogo oblastnogo kozhno-venerologicheskogo dispansera i kafedry kozhnykh bolezney (zav. - prof. D.L.Voronov) Ryazanskogo meditsinskogo instituta imeni I.P.Pavlova. (COMPLEMENT FIXATION) (TOXOPLASMOSIS) (NEUROFIEROMATOSIS)

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1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. D.L. Voronov) Ryazanskogo meditsinskogo instituta imeni aka-demika I.P.Pavlova.

RAKHMANOV, V.A., prof.; POTEKAYEV, N.S.

Professor Ivan Fedorovich Zelenev; on the centennial of his birth. Vest.derm. i ven. 34 no.11:61-63 H '60.

(BIOGRAPHIES)

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Colophony reaction with the cerebrospinal fluid in the diagnosis of syphilis. Vest. vener., Moskva no.2:45-47 Mar-Apr 1953. (CLML 24:3)

1. Assistant Departmental Physician. 2. Of the Department of Skin and Venereal Diseases (Head -- Prof. V. A. Rakhmanov), First Moscow Order of Lenin Medical Institute.

RAKHMANOV, V.A., professor; POTEKAYEV, N.S., ordinator

Instruction in dermatology and veneroology at the medical school of the University of Moscow before the organization of a special department. Vest.ven. i derm. 30 no.2:38-42 Mr-Ap '56. (MIRA 9:7)

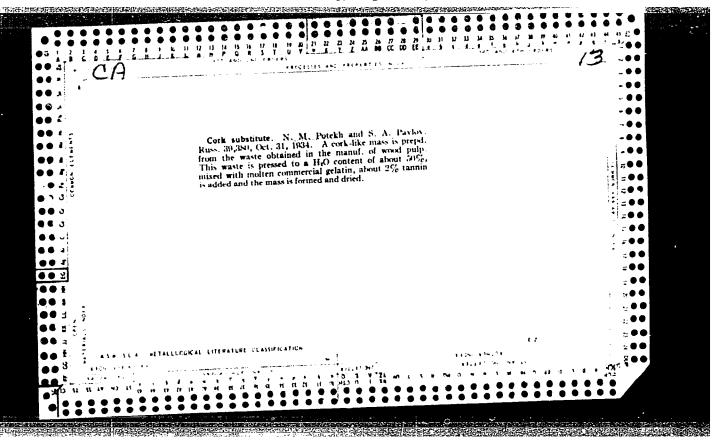
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(VENERKAL DISEASES

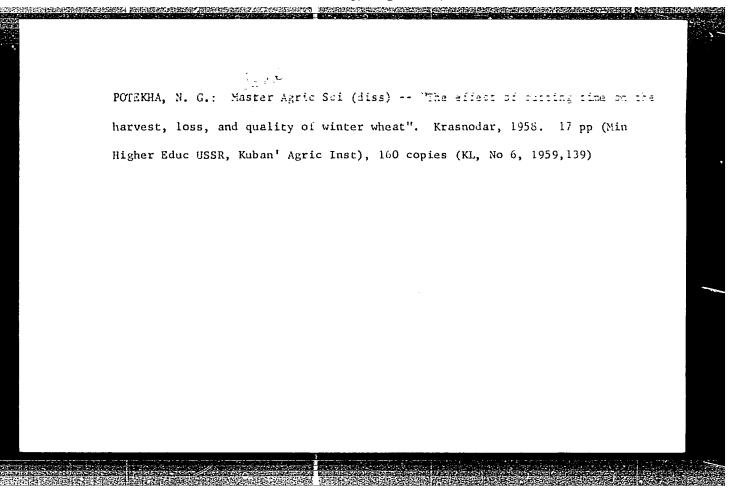
hist. of venereol. educ. in Russia)

SOLOMINA, Ye.N., POTEKAYEVA, M.A.

Clinical anatomical characteristics of nephritis in chronic septic endocarditis. Vest. ANN SSSR 16 no.12:33-39 '61. (Mina 15:2)

1. Kafedra propedevticheskoy i gospital'noy terapii sanitarnogigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova na baze 24-y gorodskoy bol'nitsy. (ENDOCARDITIS) (KIDNEYS\_DISEASES)





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RAKHMANOY, V.A., prof.; POTEKATEV, N.S., aspirant

Honored Professor N.P. Mansurov; 125th anniversary of his birth. Vest. derm. i ven. 33 no.2:74-77 Mr-Ap '59. (MIRA 12:7)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - chlen-korrespondent AMN SSSR prof V. A. Rakhmanov) I Moskovskogo ordena Leninn meditainskogo instituta imeni I.M. Sechenova. 2. Chlen-korrespondent AMN SSSR (for Rakhmanov).

(BIOGRAPHIS, Mansurov, N.P. (Rus))
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OGLOBLIN, K.A.; KALIKHEVICH, V.N.; POTEKHIN, A.A.; SEMENOV, V.P.

Interaction of nitrosyl chloride with unsaturated hydrocarcons. Part 9: Reaction with mono- and assym. disubstituted ethylenes. Zhur.ob. khim. 34 no.1:170-181 Ja '64. (MIRA 17:3)

1. Leningradskiy gosudarstvennyy universitet.

OGLOBIAN, K.A.; POTERHIN, A.A.

Synthesis and cleavage of dimers of B-chlore- d-nitrose carbonyl compounds. Dokl. AN SSSR 159 no.4:853-856 D \*64 (MIRA 18:1)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova. Predstavleno akademikom A.N. Nesmeyanovym.

OGLOBLIN, K.A.; POTEKHIN, A.A.

Reaction of nitrosyl chloride with unsaturated compounds. Report No. 19: Addition of nitrosyl chloride to 4 unsaturated ketones ith a substituted vinyl group. Zhur.org.khim. 1 no.3:408-415 Mr 165. (MIRA 18:4)

1. Leningradskiy gosudarstvennyy universitet.

22111-65 EPF(c)/EWP(j)/EWA(c)/EWT(n) Pc-4/Pr-4 RM S/0366/65/001/003/0408/0415 S/0366/65/001/003/0415 S/0366/65/001/003/001/003/0415 S/0366/65/001/003/00		
FIHORS: Ogloblin, K. A.; Potekhin, A. A.  FITLE: Reaction of nitrosyl chloride with unsaturated compounds. 19. Adding itrosyl chloride to α,β-unsaturated ketones with the substituted vinyl group itrosyl chloride to α,β-unsaturated ketones with the substituted vinyl group.  FOPIC TAGS: chloride, unsaturated compound, oxime  COPIC TAGS: chloride, unsaturated compound, oxime  ABSTRACT: The authors previously showed that nitrosyl chloride attaches easily to α,β-unsaturated ketones that have an unreplaced vinyl group, forming,β-chloro-α,β-unsaturated ketones that have an unreplaced vinyl group, this reaction of isonitrosoketones. The present paper deals with the behavior in this reaction isonitrosoketones. The present paper deals with the behavior in this reaction isonitrosoketones. The present paper deals with the behavior in this reaction isonitrosoketones. The present paper deals with the behavior in this reaction isonitrosoketones. The present paper deals with the behavior in this reaction of isonitrosoketones. The present paper deals with the behavior in this reaction of isonitrosoketones. The present paper deals with the behavior in this reaction of isonitrosoketones. The present paper deals with the behavior and phenyl isoproperyl between methyl propenyl ketone and nitrosyl chloride with methyl and phenyl isoproperyl is produced. During reaction of nitrosyl chloride with methyl and phenyl isoproperyl is produced. During reaction of nitrosyl chloride with methyl butanone-3, ketone, under the same conditions, dimeric chloro-2-nitroso-2-methyl butanone-3.	2111-65 EPF(c)/EWP(j)/EWA(c)/EWT(m) _Pc-4/Pr-4 _ RM S/0366/65/001/003/0408/0415	
OURCE: Zhurnal organicheskoy khimii, v. 1, no. 3, 1965, 408-4.)  OPIC TAGS: chloride, unsaturated sompound, oxime  OPIC TAGS: chloride, unsaturated sompound, oxime  BSTRACT: The authors previously showed that nitrosyl chloride attaches easily to  BSTRACT: The authors previously showed that nitrosyl chloride, forming, chloro-a,  a, \( \beta\)-unsaturated ketones that have an unreplaced vinyl group, forming, chloro-of-oximino of interaction isonitrosoketones. The present paper deals with the behavior in this reaction of isonitrosoketones. The present paper deals with the behavior in this reaction isonitrosoketones. The present paper deals with the behavior in this reaction  isonitrosoketones. The present paper deals with the behavior in this reaction  isonitrosoketones. The present paper deals with the behavior in this reaction  isonitrosoketones. The present paper deals with the behavior in this reaction  isonitrosoketones. The present paper deals with the behavior in this reaction  isonitrosoketones. The present paper deals with the behavior in this reaction  isonitrosoketones. During the interaction of nitrosyl chloride, 4-chloro-3-oximinopentanone-2  the \( \alpha - \beta\)-unsaturated ketone and nitrosyl chloride with methyl and phenyl isoproperyl  between methyl propenyl ketone and nitrosyl chloride with methyl and phenyl isoproperyl  is produced. During reaction of nitrosyl chloride with methyl and phenyl isoproperyl  is produced. During reaction of nitrosyl chloride with methyl butanone-3,  ketone, under the same conditions, dimeric chloro-2-nitroso-2-methyl  is produced. During reaction of nitrosyl chloride with methyl butanone-3,  ketone, under the same conditions, dimeric chloro-2-nitroso-3-methyl	DESSION IN: A. Potekhin, A. A.	
ABSTRACT: The authors previously showed that have an unreplaced vinyl group, forming, section of $\alpha$ , $\beta$ -unsaturated ketones that have an unreplaced vinyl group, forming, section of isonitrosoketones. The present paper deals with the behavior in this reaction isonitrosoketones. The present paper deals with the behavior in this reaction isonitrosoketones. During the interaction isonitrosoketones alkyl substitutes. During the interaction of the $\alpha$ - $\beta$ -unsaturated ketones with these alkyl substitutes. During propertyl between methyl propenyl ketone and nitrosyl chloride with methyl and phenyl isopropertyl between methyl propenyl ketone and nitrosyl chloride with methyl and phenyl isopropertyl is produced. During reaction of nitrosyl chloride with methyl and phenyl butanene-3, ketone, under the same conditions, dimeric chloro-2-nitroso-2-methyl butanene-3, ketone, under the literature were obtained: 1-chloro-2-nitroso-3-nitroso-3-methyl	OURCE: Zhurnal organicheskoy khimii, v. 1, no. 3, 1965, 408-4.)	
between methyl propenyl ketone and histosyl chloride with methyl and photosyl between methyl propenyl ketone and histosyl chloride with methyl and photosyl between methyl propenyl ketone and histosyl chloride with methyl and previously is produced. During reaction of nitrosyl chloronitrosoketones not previously is produced. During reactions, dimeric chloro-2-nitroso-2-methyl ketone, under the literature were obtained: 1-chloro-3-nitroso-3-methyl and 4-chloro-3-nitroso-3-methyl	BSTRACT: The authors previously showed that the placed vinyl group, forming, some of a partial state of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this reaction of the present paper deals with the behavior in this paper deals with the paper deals wi	
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OGIOBLIN, K.A.; POTEKHIN, A.A.

Interaction of nitrosyl chloride with diallyl and bivinyl.

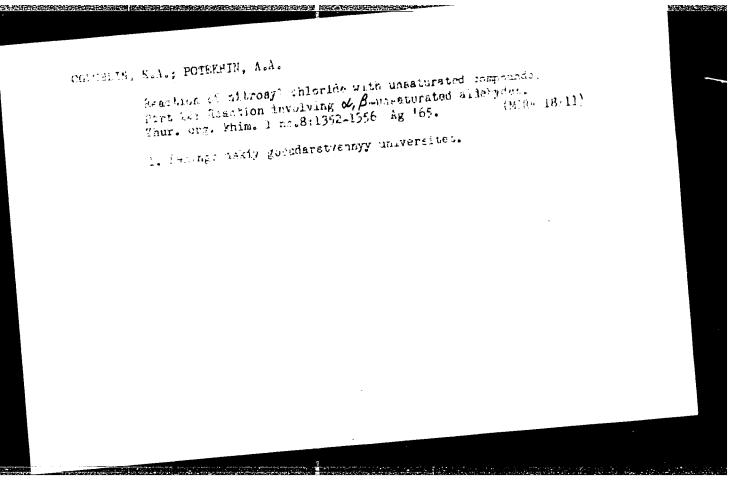
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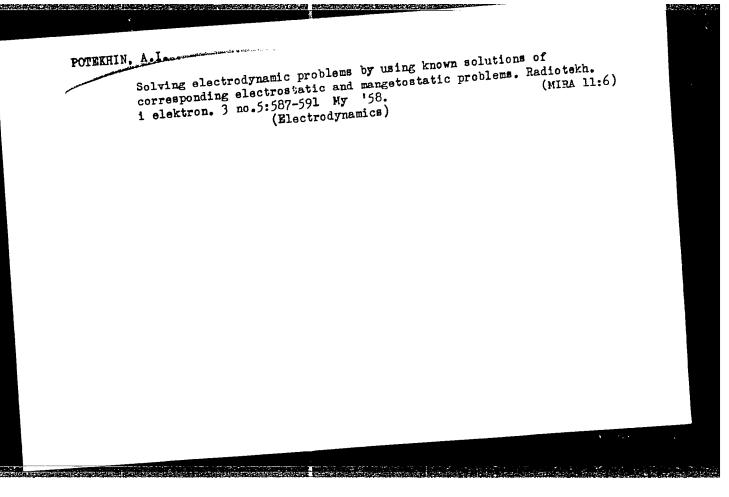
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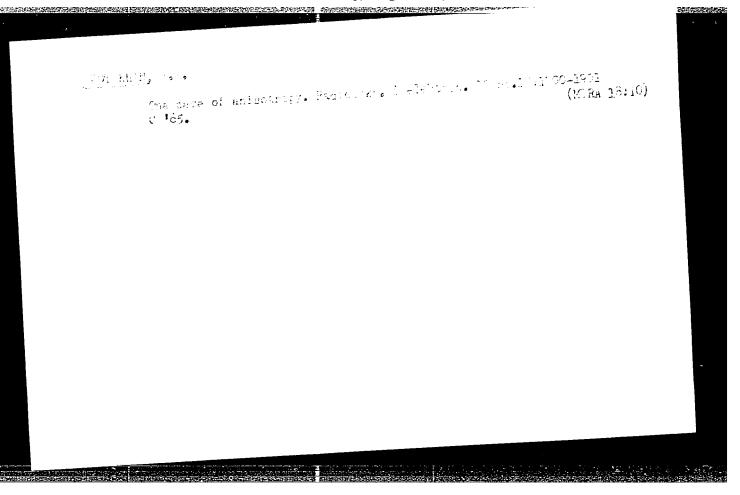
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Leningradskiy gosudarstvennyy universitet imeni A.A. Zhdanova.

(Nitrosyl chloride) (Hexadiene) (Butadiene).







POTEKHIN, A.I.; TARTAKOVSKIY, L.B.

Radiation of the Hertz dipole at the edge of an ideally conducting wedge. Radiotekh. i elektron. 3 no.5:592-602 My '58. (MIRA 11:6) (Radio waves)

AUTHOR: Potekhin, A.I.

109-3-5-1/17

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TITLE:

Solution of the Problems of Electrodynamics by Means of the Known Solutions of the Corresponding Problems of Electrostatics and Magnetostatics (Resheniye zadach elektrodinamiki po izvestnym resheniyam sootvetstvuyushchikh zadach elektrostatiki i magnitostatiki)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol III, Nr 5, pp 587 - 591 (USSR)

ABSTRACT: It is pointed out that the components of the electrical field of an elementary electrostatic dipole are given by Eqs.(1), while those of an elementary electrodynamic dipole (Hertz dipole) are expressed by Eqs.(2). From these, it is seen that the fields can be expressed as a product of two functions (see Eqs. (3) and (4)) so that the relationship between the dynamic field and the electrostatic field can be expressed by Eq.(5). From the equation, it follows (provided the equation is valid) that it is possible to determine an electrodynamic field if the corresponding electrostatic field is known. Thus, the functions of the angular co-ordinates, i.e.  $f_n(\varphi, \Theta)$  are assumed as being known and the problem there-

fore consists of finding the functions  $\varkappa_n(\mathtt{kr})$  . The functions

Solution of the Problems of Electrodynamics by Means of the Known Solutions of the Corresponding Problems of Electrostatics and

 $f(\phi, \theta)$  can be determined from Eq.(8), in which p is a parameter dependent on the boundary condition. The dynamic electric field components are then given by Eqs.(9). the other hand, the functions  $\kappa_n(kr)$  can be determined from Eqs.(10) and (11) and are given by Eq.(14), in which u = kr. The dynamic electric field components can also be expressed by Eq.(15), in which the function  $\mathcal{U}(u)$  can be found from the differential equation expressed by Formula (16). The solution of this differential equation is in the form of the Hankel function, as expressed by Eq. (17). The dynamic components of the electric field can therefore be expressed by Equs. (8), while by solving the second Maxwell equation, the dynamic magnetic field components are in the form of Eqs. (19). The above method of solution is valid under the following conditions: 1) the boundaries between various media should be in the form of conical surfaces having a common apex at the origin of the co-ordinates; 2) the electrodynamic field should be produced by a source situated at the origin of the co-ordinates.

Solution of the Problems of Electrodynamics by Means of the Known Solutions of the Corresponding Problems of Electrostatics and Submitted May 14, 1957

AVAILABLE: Library of Congress 1. Electrodynamics-Mathematical analysis 1. Electrodynamics-Mathematical analysis

AUTHORS: Pctekhin, A.I. and Tartakovskiy, L.B. 109-3-5-2/17

TITLE: Radiation of the Hertz Dipole Situated at the Edge of an Ideally-conducting Wedge (Izlucheniye dipolya gertsa na

kromke ideal'no provodyashchego klina)

Radiotekhnika i Elektronika, 1958, Vol III, Nr 5, PERIODICAL: pp 592 - 602 (USSR)

It was shown earlier (Ref.1) that the electrodynamic ABSTRACT: field of a system can be expressed by means of Eqs. (3), in which the function f should satisfy an electrostatic differential equation expressed by Formula (2). This method is applied to the evaluation of the field produced by a wedge formed of two ideally-conducting semi-planes (see Fig. 1). The larger angle between the planes is  $\delta$  and it is assumed that the axis z coincides with the edge of the system. If an electrostatic charge q is situated at a point  $M_0$ , having cylindrical co-ordinates  $z_0$  = 0 ,  $R_0$  = 1 and  $\phi_0$  =  $\delta/2$ the electrostatic field potential can be expressed by Eq.(4), where  $\beta=\pi/\delta$ . For small (), the integral of Eq.(4) can be written as Eq.(5). If the product q() is maintained constant Cardl/5 and equal to  $p_0$  when  $l \rightarrow 0$ , the potential can be expressed

Radiation of the Hertz Dipole Situated at the Edge of an Ideally-

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by Eq.(?). If the cylindrical co-ordinates are changed into spherical co-ordinates, Equ.(?) can be expressed as Eq.(8), so that the function f is given by Eq.(9). In the solution of the dynamic problem, it is assumed that the Hertz dipole has a moment as expressed by Eq.(12), in which  $I_{\rm o}$  is the

current amplitude and ( is the length of the dipole. The amplitude of the field components E (k) of Eqs.(3) is given by Eq.(10) or, in terms of the dynamic moment, it can be expressed by Eq.(13). If expressions given by Eqs.(9) and (13) are substituted into Eqs.(3), the electric field components are given by:

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Radiation of the Hertz Dipole Situated at the Edge of an Ideally-

$$E_{r} = \frac{120(1+\beta)k^{\beta}}{\Gamma(\beta)2^{\beta}} \frac{M^{\Delta NH}}{r} h_{\beta}^{(1)}(kr) \sin^{\beta}\theta \sin \beta \varphi e^{-i\omega t}$$

$$E_{\Theta} = \frac{120k^{\beta}}{\Gamma(\beta)2^{\beta}} \frac{M^{\Delta,NH}}{r} \frac{d}{dr} \left[ rh_{\beta}^{(1)}(kr) \right] \frac{\cos\theta \sin\beta\phi}{\sin^{1-\beta}\theta} e^{-i\omega t} \quad (14)$$

$$E_{\varphi} = \frac{120k^{\beta}}{\Re(\beta)2^{\beta}} \frac{M^{\Delta/AH}}{r} \frac{d}{dr} \left[ rh^{(1)}_{\beta}(kr) \right] \frac{\cos \beta \varphi}{\sin^{1-\beta} \theta} e^{-i\omega t}$$

where  $k=120\pi\omega\varepsilon_0$ . The magnetic field components are expressed by Eqs.(15). For  $\delta=2\Pi$ , the wedge degenerates into a semi-plane. Eqs.(14) and (15) were employed to analyse this case graphically and the results are shown in  $C_{ard}$  3/5

Radiation of the Hertz Dipole Situated at the Edge of an Ideally-

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Figs. 2 and 3. The semi-circles of Fig. 2 represent the curves of constant phase for various values of  $\varphi$ , while the thick line curves represent the constant current amplitude distribution. Similar curves are shown in Fig. 3, but these are plotted for small values of kx. The results for a right-angle wedge ( $\beta = 2/3$ ) are shown in Figs. 4 and 5. The phase and current lines for a wedge having  $\delta = W2$  are given in Fig. 6, while the vertical radiation patterns for various values of  $\sigma$  are shown in Fig. 7. The power radiated by the solution of this equation is given by:

$$P_{\Sigma} = 15I_{c}^{2} \frac{(\beta + 1) (k l)^{2\beta}}{\beta(\beta + 1/2)\Gamma(2\beta)}$$
 (28).

From the above, it is found that the radiation resistance of the system is expressed by Eq.(29). Fig. 8 shows the radiation resistance in ohms as a function of  $\delta$  for two Card4/5

Radiation of the Hertz Dipole Situated at the Edge of an Ideally-

There are 8 figures and 2 Soviet references

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May 14, 1957

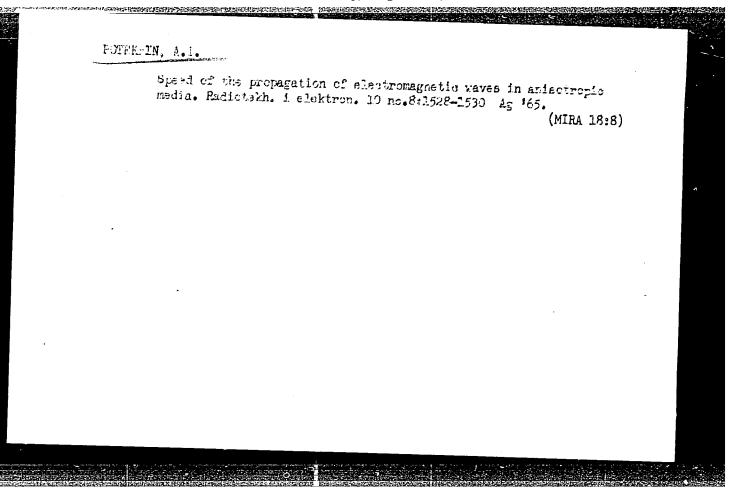
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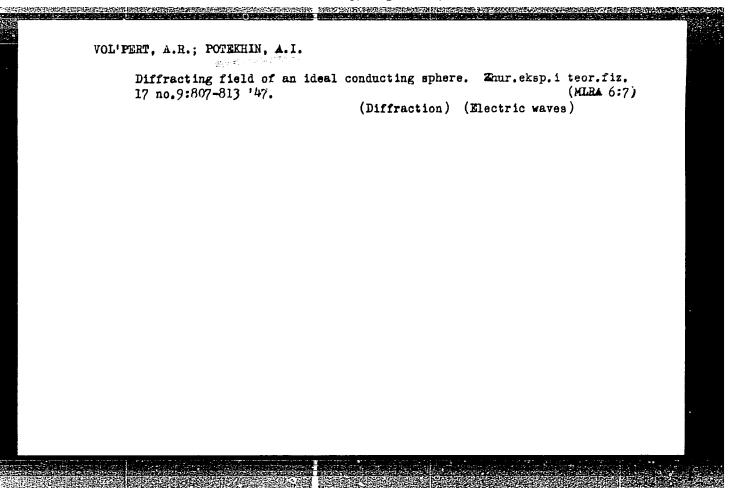
1. Dipoles-Radiation-Mathematical analysis



POTENTIE, A. I.

"Diffracted Poles in an Ideally Conducting Sphere," Zhar, Wather, i Descrit Vis.,
17, No. 9, 1957;

"Diffraction of Electromagnetic Waves," (bz.), 1948.



Vol'port, A. R., and Potebla, A. I. The diffractive field of a perfectly conducting sphere. Akad. Nauk SSSR. Zhurnal Eksper. Teoret. Fiz. 17, 807-813 (1947). (Russian)  An exact solution to the nonline, of the diffraction of plane electromagnetic wayes, by a perfectly conducting sphere was given by C. Mie [Ann. Physik (4) 25, 377-445 (1908)]. The present paper adds, for the most part in graphical form, computational results for the phase and amplitude of the distant diffracted field in the directions respectively opposite to and coincident with the direction of propagation of the incident waves.  Source: Enthematical Royleng. Vol No.	POTEKHI	N, A.1.						
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Marsens, Elmin

849. Diffracted polos in an ideally conducting sphere, by A. R. Vol'pert, and A. I. Esterna Zhur Eksper I Travel Fig. 17, 7 p., Soptember, 1947. (In Russian).

The authors discuss the results of calculating the size of the poles of diffraction on an ideally conducting sphere as a function of its radius. Strictly sathematical with frequent reference to the work done by L. Mie. Discusses the phenomenon known as "Mie's Effect." Several graphs showing plotting of data received from calculations using the discusses formulae. TID

ZAKHAROV, B.A. (Moskva); POTEKHIN, A.M. (Moskva); YUDANOV, B.V. (Moskva)

Effectiveness of negative feedback in a logarithmic current amplifier.

Avtom. i telem. 26 no.9:1649-1650 S '65.

(MIRA 18:10)

POTEKHIN, A. V.

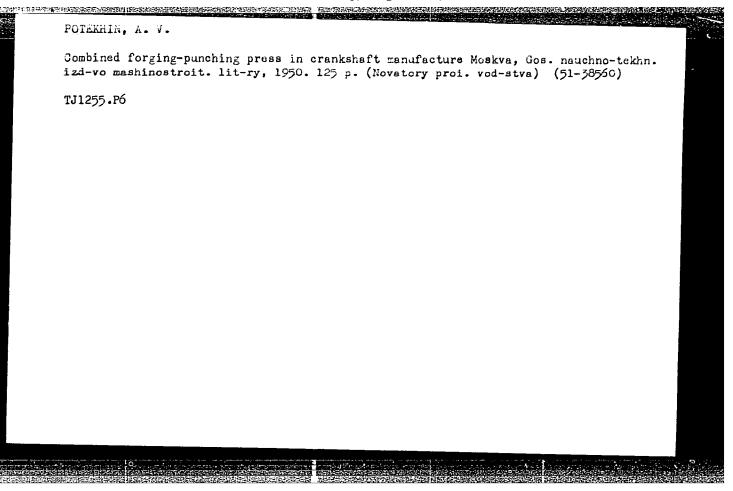
Kombinirovannaia kovka-shtampovka na krivoshipnykh pressakh. Pod obshchei red. K. S. Ginzburga. Moskva, Mashgiz, 1950. 125 p. diagrs. (Novatory proizvodstva)

Bibliography: p. (124).

(Combined forging and punching on crank presses.)

DLC: TJ1255.P6

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.



POTEKHIN, A.V.

TJ1160.A34

TREASURE ISLAND BOOK REVIEW

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POTEKHIN, A. V.

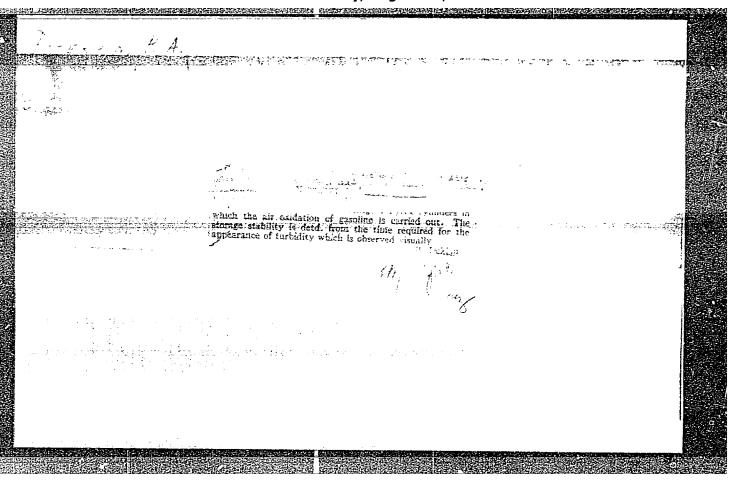
KOMBINIROVANNAYA KOVKA I SHTAMPOVKA NA KRIVOSHIPNYKH PRESSAKH V USLOVIYAKH MELKOSERIYNOGO PROIZVODSTVA (Combined Forging and Stamping by Crankshaft Presses in Limited Serial Production). In Akademiya Nauk SSSR. Peredovoy opyt novatorov mashinostroyeniya (Progressive Experience of Loading Men in the Machine-Building Industry) 1954. Part II: Peredovaya tekhnologiya liteynogo proizvodstva, obrabotki davleniyem i svarki (Advanced Technique in Foundry Casting, Metal Pressing, and Welding). p. 188-199.

The author describes successful application of an advanced combined method of forging and stamping certain parts which are used in cranes, excavators and similar machines. He describes the new process, the powerful crankshaft presses which do forging and stamping simultaneously, and the advantages of this new method in replacing the heavy hammers in limited serial production. The forging of rings large in diameter and height, the forging of a shaft for a worm reductor, the combined forging and stamping of bevel gears and other parts such as clutch couplings are described. The Leningrad Machine Plant of the Ministry for the Petroleum Industry has introduced several hundred practices of combined forging and stamping, which allow substantial savings. Thirteen drawings and one table.

1/1

POTEKHIN, Aleksandr Vladimirovich, laureat Stalinskoy premii; CHLHROV, A.L., Fedaktor; ISLEHT YEVA, P.G., tekhnicheskiy redaktor.

[New methods in the technology of forging] Movoe v tekhnologii kuznechno-shtampovochnogo dela. Moskva, Izd-vo "Znanie," 1955. 23 p. (Vwesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.4, no.28) (MLRA 8:10)



POTEKUIN, B.A.	
ANATION GASOLINES. Cotekhin Job., lininger J.M. and Rochkov, 1.V. (Nov. Neft. Fekn., Neftepererab. INEMs Petrol. Technol., Treatment, Hosow), 1956, (5), 20-22; abstr. in sel. in. Khim. (Ref. J. Chem., Nosow), 1967, 171, 21297). The apparatus and method are described in fuel Whatr., 1957, vol. 21, 5679. They can also be used on ethyl fluid, jet fuels and motor vehicle gasolines containing thermally cracked components.	
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SOV/112-57-5-10736

Translation from: Referativnyy zhurnal Elektrotekhnika, 1957, Nr 5, p 163 (USSR)

AUTHOR: Potekhin, B. A., Mininzon, G. M., Rozhkov, I. V.

TITLE: New Instruments for Determining Chemical Stability of Ethylated Aviation Gasolines (Novyy pribor dlya opredeleniya khimicheskoy stabil'nosti etilirovannykh aviatsionnykh benzinov)

PERIODICAL: Novosti neft. tekhniki. Neftepererabotka, 1956, Nr 5, pp 20-22

ABSTRACT: Bibliographic entry.

Card 1/1

ROZHKOV, I.V.; SHIMOVAYEV, G.S.; KORNIIOVA, Ye.N.; POTEKHIN, B.A.

Method for evaluating chemical stability of ethylated aviation gasoline. Khim. i tekh. topl., i masel no.1:59-66 Ja '57. (MERA 10:2)

1. Nauchno-issledovatel'skiy institut goryuche-smazochnykh materialov.

(Airplanes--Fuel)

POTEKHIN, B.A.: "NDHATOV, V.M.

Deformations during the heat treatment of low-module gear. Metalloved. i term. obr. met. no.9:48-49 S '64. (MIRA 17:11)

1. Ural'skiy politekhnicheskiy institut.

AUTHOR: Bogachev, I. N.; Budrin, D. V.; Kondratov, V. M.; Potekhin, B. A.

TITLE: Complex method of determining the hardensbility of austenitic steels

SOURCE: VIUZ. Chernaya metallurgiya, no. 7, 1965, 155-160

TOPIC TAGS: steel hardenability, austenite, steel quenching, steel hardening/30Kh10G10 steel

ABSTRACT: By hardenability of customitic steels is meant the distance from the cooled surface at which a purely austenitic structure or a desired set of mechanical properties can be obtained. The hardenability of austenitic steels should not be characterized by the hardenss alone; in determining the hardenability of the unstable austenitic steel 30Kh10G10, the authors used a complex method which involved a determination of the depth of the hardened layer from the mechanical properties, form of the break, microstructure, and phase composition obtained by x-ray analysis. In order to obtain high mechanical properties in cast 30Kh10G10 steel at the greatest possible depth, various heat treatments were carried out in which specimens in the form of plates were subjected to end-quenching with a sprayer. The depth of hardenability was found to be 64 mm. No carbides were present

L 62600~65		
ACCESSION NR: AP5018180		/
to determine accurately the befound that the structure of ease of phase, Ephase, and cain a sprayer as compared to	he results show that the method empoundary of the hardened layer in audit 30Kh10G10 steel consists of austourbides, which reduce its resistance cooling in stationary water can increase. Orig. art. has: 5 figures and	stenitic steels. It was enite and a cortain amount to cavitation. Cooling ease the depth of the
ASSOCIATION: Ural'skiy pol	itekhnicheskiy institut (Ural'sk Poly	technic Institute)
SUBMITTED: 27Oct 64	ENCL:00	SUB CODE: MM
NO REF SOV: 007	OTHER: 001	
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Card 2/2		

L 62601-65 EMP(z)/EWT( $\pm$ )/EMP(b)/T/EMA(d)/EMP( $\pm$ )/EMP(t) MJW/JD

ACCESSION NR: AP5018181

UR/0148/65/000/007/0161/0165 669, 15-194:669, 26'74:621, 78

30

AUTHOR: Bogachev, I. N.; Potekhin, B. A.; Kondratov, V. M.; Malinov, L. S.

TITLE: Effect of heat treatment on the mechanical properties of 30Kh10G10 austenitic steel

SOURCE: IVUZ. Chernaya metallurgiya, no. 7, 1965, 161-165

TO PIC TAGS: steel hardening, austenite, martensite, steel mechanical property, heat treatment, plastic deformation / 30Kh10G10 steel

ABSTRACT: The study is concerned with finding the best heat treatment conditions for producing superior mechanical properties in 30Kh10G10 cast steel; for comparison, the mechanical properties of forged pieces were tested. The mechanical properties of cast and forged specimens were improved through a combined heat treatment (quenching from 1100C, again at 800C, cooling in water, and quenching again from 1100C) which raised the tensile strength by a factor of almost two and the plastic characteristics by a factor of three as compared to the cast state. The phenomena occurring during the heat treatment are described. The formation of martensite during deformation in the presence of an austenitic structure in the original state causes an increase in plasticity and a Card 1/2

4 tables.  ASSOCIATION: Ural'skiy politekhnicheskiy institut (Ural'sk Polytechnic Institute)  SUBMITTED: 16Mar65 ENCL: 00 SUB CODE: MM  NO REF SOV: 005 OTHER: 003	lowering of the yield point; if a original structure by heat treats steel has a high yield point and after aging markedly improves fragmentation of the grain. Uns a marked rise in yield point even 1.5% stretching raises the yield considered in designing machine	ment or in the course of flow a reduced plasticity. The s the mechanical properties of stable Fe-Mn austenitic steet on under slight plastic defor- il point of 30Kh10G10 by 25%	w cooling of the casting, the second quenching from 1100C of the cast steel as a result of cls such as 30Kh10G10 display mation; thus, deformation by . This property must be	
	4 tables.			
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4		
I 28667-66 EWT(m)/EWP(w)/EWP(t) IJP(a) JD  ACC NR: AP6010413 SOURCE CODE: UR/0126/66/021/003/0172/0174		
311, 3220, 307, 321, 305, 34, 12, 34, 14		•
AUTHORS: Bogachev, I. N.; Filippov, M. A.; Potekhin, B. A.		
ORG: Ural Polytechnic Institute im. S. M. Kirov (Ural'skiy politekhnicheskiy institut)		
TITIE: Investigation of plasticity of several austenitic steels subject to high velocity loads		
SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 3, 1966, 472-474 elongation, plasticity, material deformation, martensitic transformation TOPIC TAGS: steel, austenitic steel, martensite / N28 steel, 40N25 steel, 2Kh18N9 steel, 67Kh7N7 steel, 30Kh10G10 steel, 47Kh10G8 steel	m,	
ABSTRACT: The plasticity and onset of martensite rearrangement during dynamic and static elongation of the steels N28, 40N25, 2Kh18N9, 67Kh7N7, 30Kh10G10, and 47Kh10G8 was determined. The experimental procedure followed that described by G. M. Kraft (Response of Metals to High Velocity Deformation, ASM, N.Y., 1961).		
ballistic magnetometer. The experimental results are tabulated. It was found that maximum increase in plasticity during dynamic elongation occurs for those steels which show the largest increase in martangita commendation.		
is determined by the rate of martensite conversion. Orig. art. has: 2 tables.  SUB CODE: 11,20/SUBM DATE: O2Jun65/ORIG REF: OO4/OTH REF: OO1		
Card 1/1 BL = UDC: 534.222.2:620.172.22+669.15—194		
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L 32440-65 EWT(m)/EWA(d)/T/EWP(t)/EWP(b) IJP(c) MJW/JD/JG ACCESSION NR: AP4044154 S/0126/64/018/002/0257/0262

AUTHORS: Potekhin, B.A.; Bogachev, I.N.

TITLE: Stress relaxation in chromium-mangarese austenitic "30Khl0Glorsteel" 17

SOURCE: Fizika metallov i metallovedeniye, v. 18, no. 2, 1964, 257-262

TOPTC TAGS: stress relief, cavitational resistance, chromium, manganese, austenitic steel

ABSTRACT: The steel specimens used in the investigation were 0.2 x 4 x 130 mm in size and contained 0.27% C; 9.6: Mn, 9.1% Cr, 0.35% Si; 0.03% S and 0.03% P. In order to bring about a variety in the phase composition, a heat treatment was applied under conditions which excluded oxidation and decarburization. A comparison with specimens having a stable austenitic structure showed that the stress relaxation occurs more intensively in specimens with an unstable austenitic structure. Phase transformation enhanced the effectiveness of the stress relief heat treatment and/stress was relieved during cooling to the temperature of liquid nitrogen.

L 32440-65

ACCESSION NR: AP4044154

Primary stresses are relieved by 90% after heat treatment at 550 C and a two-hour holding period. It may be assumed that secondary stresses are also relieved to a considerable extent. Above 550 C cavitational strength decreased somewhat as a result of the formation of chromium carbides. At the same time, the structure became more stable. The high cavitational resistance is attributed, in part, to the relaxation of stresses during the formation of new phases under the effect of microimpact.

Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S.M. Kirova

(Urals Polytechnic Institute)

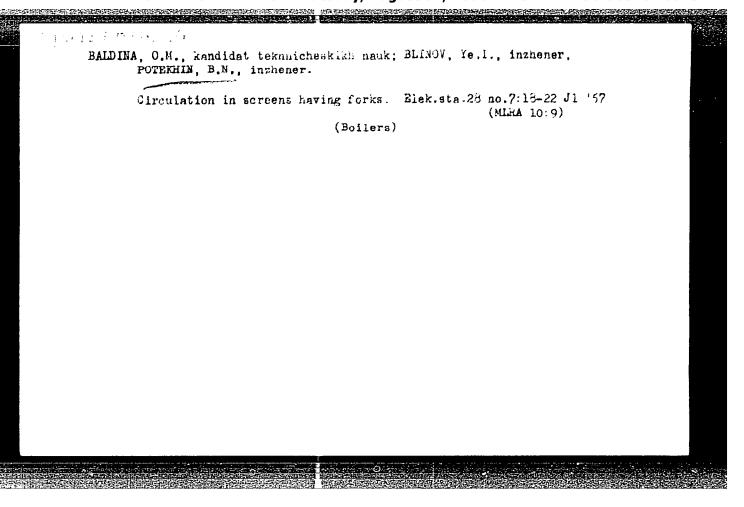
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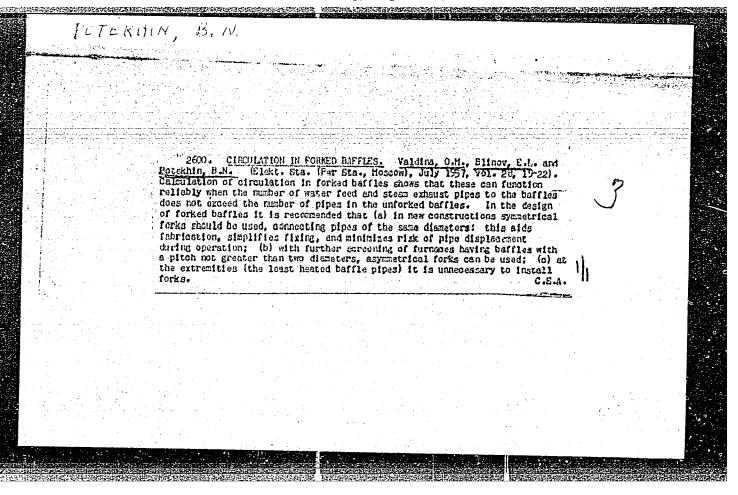
ENCL: 00

SUB CODE: MM

NR REF SOV: 008

OTHER: OOO





POTEKHIN, B. N.

Fuel Abstracts May 1954 Steam Raising and Steam Engines 3765. ELIMINATION OF SLAGGING IN BOILER FURNACES. 1911nov, E.I. and ifotekhin, 3.N. (Elekt. Sta. (Pur Sta., Moscow), May 1953, vol. 24, 6-8).
Unsatisfactory experience with the coal fuel in the furnaces of sectional boilers with cast iron clad baffles led to replacement of the latter by smooth-tubed open baffles and to increased heating surface through the insertion of additional tubes of smaller diameter. In such a reconstruction circulation efficiency must be tested by calculation and the criginal and additional tubes arranged on one plane.

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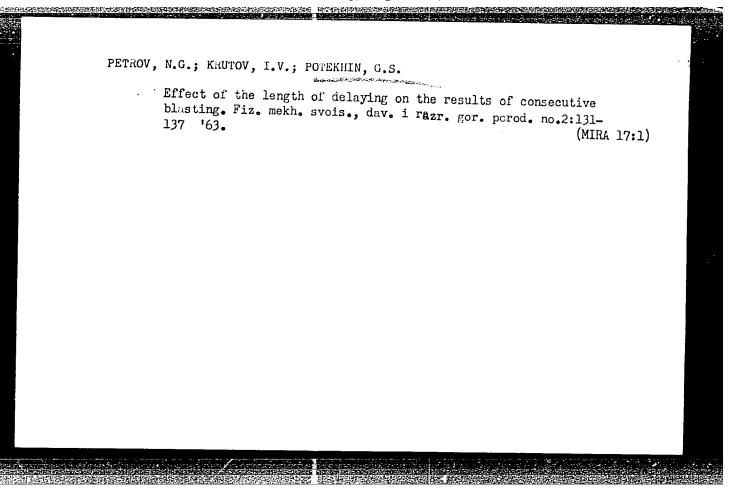
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≟ <b>5:</b>	<u>Bhichta, a Lete, i</u> (	14. 26, 7 to 1917,	II da est		
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POTEKHIN, D.Ye., dotsent; SloAh, N.W., kand. med. menk

Comparative evaluation of the rate of spread of the pulse wave in patients with atherosclerosis and rheumatic fever. Kaz. med. zhur. no.6:28-29 N-D 163.

(MIRA 17:16)

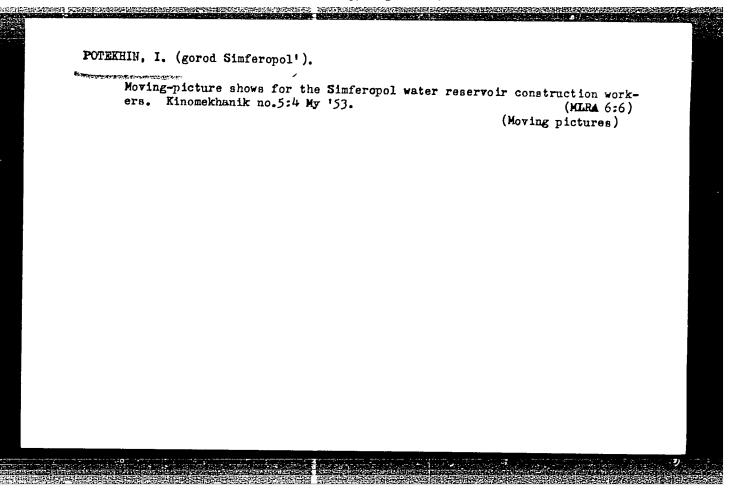
1. Filial kafedry gospital'noy terapii (zav. - prof. A.G. Teregulov) Kazanskogo meditsinskogo instituta i laboratoriya funktsional'noy diagnostiki 6-y gorodskoy klinicheskoy bol'-nitsy (glavnyy vrach - Ye.V. Khmelevtseva), Kazan'.



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POTEKHIN, I., doktor istor.nauk

Peoples of Africa on a new course. Starsh.-serzh. no.2:38-39
F '62. (MIRA 15:4)

1. Direktor Instituta Afriki AN SSSR. (Africa--Politics)
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POTEKHIN, F.M., zootekhnik; SKALOZUBOVA, Ye.N., zootekhnik

Cooperative poultry-raising sections serving several collective farms in Saratov Province. Ptitsevodstvo 9 no.10:
6-8 0 \*59. (MIRA 13:2)

(Saratov Province--Poultry)

VOTOKINA, III.
Des Africanistes russes parlent de l'Afrique.
Paris, Presence Africaine, 1960. 289 p. tables. Translation of articles by I.I. Potekhin \( \square \) and others \( \square \) Includes bibliographies.

FULLMHIN, I.I. Ethnology-- United States Cosmopolitanism in American ethnography. Trudy Inst. etn. All SUSE, No. 12, 1951 Monthly list of Aussian Accessions, Library of Congress, March 1952. UMGLABUTFIED.

CLICIACACO, D. A., PORTANTO, T. V.
EthnologyGreat Britain
Functional school of ethnography in service of Smitish Imperialism. Trudy Inst. etn.
9. Monthly List of Russian Accessions, Library of Congress, <u>March</u> 1953, Uncl.
 2

FOTENIE, I. I.,	HEO.
Zulus	
Military democracy among the Matabele. Trudy Inst. etn. AN GSSR 14, 1951.	
9. Monthly List of Russian Accessions, Library of Congress, April 1952 1953, Uncl.	
	4.00

FCTERHIN, I.

Africa, Central-Ethnology

Peoples of Africa ("Seven tribes of British Central Africa." Elizabeth Colson, Max Gluckman, eds. Reviewed by I. Potekhin) Sov. etn. No. 2, 1952.

Monthly List of Russian Accessions. Library of Congress, September 1952. UNCLASSIFIED.

- 1. OL'DEROGGE, D.A.; POTEKHIM, I.I.
- 2. USSR (600)
- h. Africa, West Ethnic Types
- 7. Ethnic composition of the present-day population of western Equatorial Africa, D.A. Ol'derogge, I.I. Potekhin, Sov.etn. no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

# POTEKHIN, I.I. New tasks for ethnology in the light of I.V. Stalin's "Economic problems of socialism in the U.S.S.R. Sov.etn. no.2:10-20 '53. (MLRA 6:6) (Stalin, Iosif, 1879-1953) (Ethnology)

HANZEIKA, Jiri; ZIKMUND, Miroslav; YEZHOV, V.D. [translator]; POTEKHIN, I.H., redaktor; RUBINSHTEYN, G.I., redaktor; FEL'DMAN, O.I., redaktor; NIKIFGROVA, A.N., tekhnicheskiy redaktor

[Africa of dreems and of reality. Translated from the Czech] Afrika grez i deistvitellenosti. Perevod s cheshekogo V.D. Ezhova. Red. I.I.

Potekhina. Noskva, Izd-vo inostrannoi lit-ry, 1956. 277 p. (MLRA 9:12)

(Africa-Description and travel)

POTEKHIN, Ivan Izosimovich

(Inst of Ethnography imeni Miklukho-Mak By Acad Sci USSR), Academic degree of Doctor of Historical Sciences, based on his defense, 16 May 1955, in the Council of the Inst of Oriental Studies, Acad Sci USSR, of his dissertation entitled: "The formation of a national community of the South African Bantu tribes."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 17, 9 Jul 55, Byulleten' MVO SSR, No. 17, Sept 56, Moscow, pp 9-16, Uncl. JPRS/NY-435

HANZELKA, Jiri; ZIKMUND, Miroslav; HOZOVA, S.I. [translator]; POTEKHIM, I.I., redaktor; RUBINSHTEYN, G.I., redaktor; FELVDMAN, O.I., redaktor; NIKIFOROVA, A.M., tekhnicheskiy redaktor

[Africa of dream and of reality. Translated from the Gzech] Afrika grez i deistvitel'nosti. Perevod s cheshakogo S.I.Rozovoi. Moskva, izd-vo inostrannoi lit-ry. Vol.2. 1956. 314 p. (MIRA 10;3)

(Africa-Description and travel)

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001342

USSR/General Division. Congresses. Sessions. Conferences.

A-4

Abs Jour: Ref. Zh.-Biol., No 17, 1957, 72422

Author : I.I. Potekhin

Inst :

Title : International Congress of Anthropologists and Ethnographers

Orig Pub: Vest. AN SSSR, 1956, No 12, 86-88

Abstract: More than 50 countries, amongst them the USSR, participated in the work of the congress in Philadelphia (USA) Sept 1 - 9, 1956. In the plenary meetings and in 23 sections, ~300 reports were presented on ethnography, physical anthropology and archaeology. The Soviet scientists reported on the condition and basic trends of ethnography, the development of physical anthropology, results of paleanthropological inVestigations and a study of the history of agriculture in the USSR, etc. The work of the English specialists was noted for an interest in thorough theoretical studies and broad scientific generalizations of factual material. The

Card : 1/2

-3-

POTEKHIN, I.I., doktor ist.nauk, otvetstvennyy red.; ZOTOVA, Yu.N., red. izd-va; TSVETKOVA, S.V., tekhn.red.

[Africa south of the Sahara; its economy and history] Afrika iuzhnee Sakhary; voprosy ekonomiki i istorii. Moskva, Izd-vo vostochnoi lit-ry, 1958. 268 p. (MIRA 11:7)

1. Akademiya nauk SSSR. Institut vostokovedeniya. (Africa--Economic conditions)

STANLEY, Sir Honry Morton (1841-1904); POTEKHIN, I.I. [translator]

[In darkest Africa] V debriakh Afriki. Moskva, Gos.izd-vo geogr.lit-ry, 1958. 444 p. Translated from the English.

(MIRA 13:12)

(Africa, Central--Discovery and exploration)

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001342

AUTHOR:

Potekhin, I. I., Doctor of Historical

30-58 -5-25/36

Sciences

TITLE:

In the New African State (V novom afrikanskom

gosudarstve)

PERIODICAL:

Vestnik Akademii Nauk SSSR, 1958,

Nr 5, pp. 114-117 (USSR)

ABSTRACT:

In October last year the author visited this country at the invitation of the Dean of the Economic Faculty of the University of Ghana, Professor I. V. Williams. It was his aim to collect Laterial for a book on the history of the fight of the peoples of the Gold Coast for their national independence. He spent 3 months there as a guest of the university. Further he describes his impressions. The University of Ghana was founded in the year 1948 as a College of the London University. The university possesses faculties for theology, agriculture, biology, physics and others. The teachers mainly are foreigners from Europe and the USA. The two native

Card 1/4

scientists Professor K. A. Busiya and Doctor I. V. Dankva

In the New African State

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at present entered into political activity. Scientific societies were founded of which the author only became acquainted with those of history and economics. Periodicals are edited, too. The Basle Protesant Mission established the literary form of the Akan language. The author was the first Soviet scientist to visit Ghana and with few exceptions he was well received and supported in his work. Great help was given to him on the part of the functionaries of the National Archives. Doctor I. V. Dankva permitted him to work in his personal archives on the history of the fights of liberation of the peoples of the Gold Coast after world War II. The university placed a car at his disposal with which he made several longer journeys in the country. Thus he could collect material on the mining industry and the position of the miners and talk with many persons. The problems of Ghana are called great and difficult by the author. In 1948 less than 5 % of the entire population were able to read and write and at present they are supposed to amount to 10 %. The country at present is economically further

Card 2/4

In the New African State

30-58-5-25/36

dependent on England. The domestic political situation is complicated, strong conservative forces exist. At the end the author stated that he used his stay in Ghana to propagate the truth on the Soviet Union. The management of the People's Party (Pediako Poku), the broadcasting director I. s. millar and others aided him in this respect. He held public lectures on the Soviet Union and spoke seven times on the radio of the life of the Soviet people, where about 2,500 persons are supposed to have been present at one of his lectures (achievements of the Soviet Union in the 40 Years Revolution) in Accra, the capital of Ghana. For the teachers and students of the university he held 4 lectures: "The Historical Materialism of Social-Economic Formation"; "Some Methodological Considerations on the Elaboration of the Problem of the Formation of Nations in Africa, South of the Sahara "; "The Formation and Development of National Capital at the Gold Coast"; "Africa Research in the Soviet Union".

Card 3/4

# "APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001342"

In the New African State	30-58-5 <b>-</b> 25/36		
l. Social sciencesAfrica	2. Political sciencesAfrica	3. UniversitiesAfrica	,
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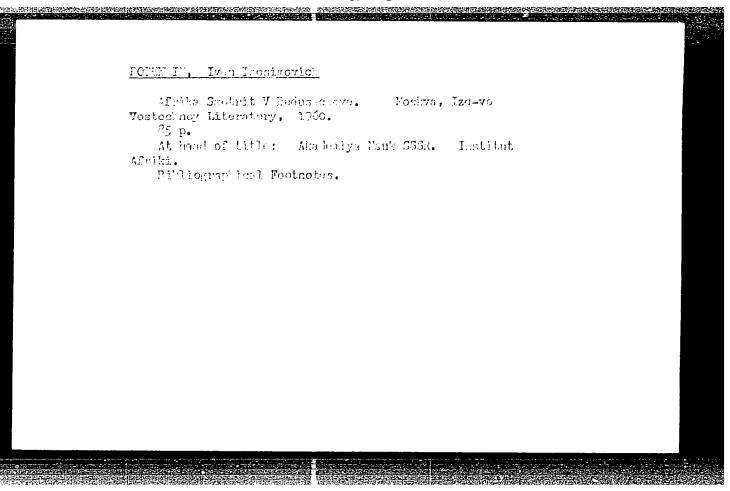
POTEKHIN, Ivan Izosimovich, etnograf; LAVRENT'YEVA, Ye.V., red.;

GOLITS'N, A.V., red.kart; GLEYKH, D.A., tekhn.red.

[Ghana today; a diary, 1957] Gana segodnia; dnevnik,
1957 g. Moskva, Gos.isd-vo geogr.lit-ry, 1959. 157 p.

(Ghana--Description and travel)

(Ghana--Description and travel)



POTEKHIN, I.I., otv. red.; PANAS'YANTS, M.D., red.

[Agrarian problem and the poasantry in tropical Africa] Agrarnyi vopros i krest'ianstvo v tropicheskoi Afrike. Moskva, Nauka, 1964. 315 p. (MIRA 17:10)

1. Akademiya nauk SSSR. Institut Afriki.

CHERKASSKIY, Ye.S., prof.; POTEKHIN, I.I., doktor istor.nauk

Anniversary of the Veterinary University in Hungary. Vest.AN
SSSR 33 no.2:107 F '63. (MIRA 16:2)
(Budapest—Veterinary colleges)

POTEKHIN, I.I., glav. red.; BARANOV, A.N., red.; BELYAYEV, Ye.A., red.; GELLER, S.Yu., red.; GRAVE, L.I., st. nauchnyy red.; GRIGOR'YEV, A.A., red.; GUEER, A.A., red.; KULAGIN, G.D., red.; MALIK, YA.A., red. MANCHKHA, P.I., red.; MILOVANOV, I.V., red.; NERSESOV, G.A., red.; OL'DEROGGE, D.A., red.; ORLOVA, A.S., red.; POPOV, K.M., red. ROZIN, M.S., kand. ekon. nauk, red.; SMIRNOV, S.R., red.; UFIMOV, I.S., red.; SHVEDOV, A.A., red.; YASTREBOVA, I.P., red.; PAVLOVA, T.I., tekhn. red.

[Africa; encyclopedia] Afrika; entsiklopedicheskii spravochnik. Glav. red. I.I.Potekhin. Chleny red. kollegii: A.N.Baranov i dr. Moskva, Vol.1. A - L. 1963. 474 p. (MIRA 16:4)

1. Sovetskaya entsiklopediya, Gosudarstvennoye nauchnoye izdatel'-stvo, Moscow.

(Africa-Dictionaries and encyclopedias)

LENTIN, Albert Paul; VOIK, S.I.[translator]; POTEKHNIN, I.I., red.

[Senegal today]Senegal segodnia. Moskva, Izd-vo vostochnoi
lit-ry, 1961. 68 p. Translated from the English.

(MIRA 15:9)

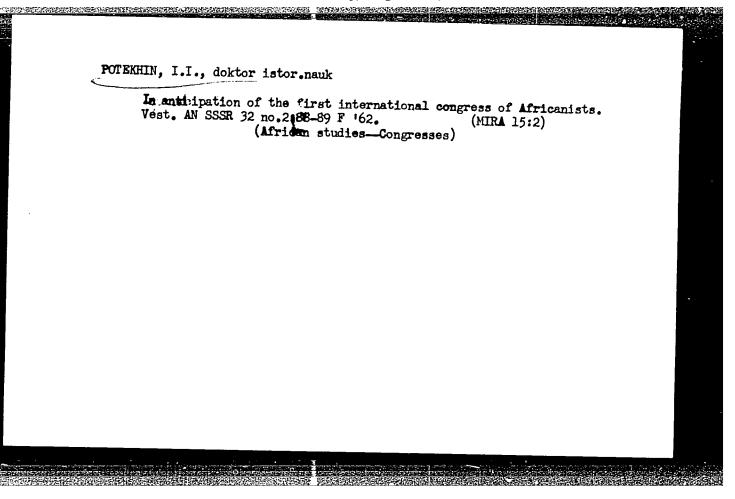
(Senegal—Description and travel)

## "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001342

Problems of economic independence of African countries."

Report presented at the First Intl. Congress of Africanists
Univ. of Ghana Dec 11-17 1962



BOCHKAREV, Yu.A., zhurnalist-mezhdunarodnik; BRYKIN, V.A., red.; MILOVANOV, I.V., red.; POTEKHIN, I.I., red.; SHVEDOV, A.A., red.; ALENT'YEVA, N., red.; DANILINA, I., tekhn. red.

[Cuinea today; from a journalist's notebook] Gvineia segodnia; iz
zapisnoi knizhki zhurnalista. Moskwa, Gos. izd-vo polit. lit-ry,
1961. 86 p.
(Guinea—Politics and government) (Guinea—Economic conditions)

ABRANOV, Aleksey Sergeyevich; MILOVANOV, I.V., red.; MITEKHIN, I.I., red.; SHVEDOV, A.A., red.; VADEYEV, O., red.; KLIMOVA, T., tekhin. red.

[Ethiopia, a country that has not been brought to its knees]

Efiopiia - strana, ne vstavshaia na koleni. Moskva, Gos. izd-vo
polit. lit-ry, 1961. 108 p. (MIRA 14:8)

(Ethiopia-Description and travel)

ORESTOV, Oleg Leonidovich; MILOVANOV, I.V., red.; POTEKHIN, I.I., red.; SHYEDOV, A.A., red.; ALENT'YEVA, N., red.; KLIMOVA, T., tekkn.red.

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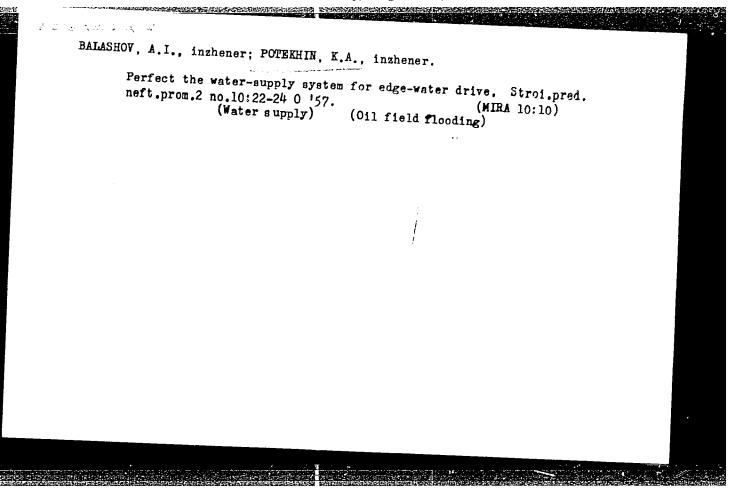
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[Forty years; development of the economy and culture of Orlov
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162913 H/021/62/000/006/001/002 D296/D307

AUTHORS:

Gol'dberg, Ye.D., Golosov, O.S. and Potekhin, K.G.

TITLE:

Hematological indices found in X-ray and radiothera-

py departmental staff

PERIODICAL:

Card 1/2

Magyar Radiologia, no. 6, 1962, 321-326

The authors analyzed the blood of 130 patients exposed to continuous small doses of ionizing radiation by reason of their occupation, and of 75 healthy control subjects not previously exposed to radiation. It was found that the staff of X-ray and radiotherapy departments were on the average exposed to a daily dose of 0.02 - 0.03 r. Some of the subjects complained of occasional headaches, tiredness, and in a few cases skin changes, pigmentations and loss of hair could be observed. In 17% of the exposed persons the white cell count was decreased and in 6.1% it was increased. among the staff of radiotherapy departments, neutropenia was found in 90.9% of those who worked in these departments for less than 5 years, but only in 75% of those working for more than 5 years. A

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# Each ruble should be spent to profit business. Fin. SSSR 23 no.8:52-56 Ag '62. (MIRA 15:2) 1. Zamestitel' nachal'nika upravleniya Ministerstva finansov RSFSR. (Public institutions—Finance)

